Docket Number MTV-037.01

As a below named inventor, I hereby de

My residence, post of the riches and citizenship are as stated below next to my name.

	I sole inventor (if only one name is his I and for which a patent is sought on t		oint inventor (if plural names are listed below) of
SOLID- AND SOL	UTION-PHASE SYNTHESIS	OF HEPARIN AND OTHER	R GLYCOSAMINOGLYCANS
the specification of which (check o	one)		
☐ is attached was filed of		ates Application Number 10/054,724	, and was amended on Date_ (if applicable).
I hereby state that I have reviewed referred to above.	and understand the contents of the ab	ove identified specification, including	g the claims, as amended by any amendment
I acknowledge the duty to disclose	information, which is material to pate	entability as defined in Title 37, Code	of Federal Regulation, § 1.56.
			ation(s) for patent or inventor's certificate listed g date before that of the application on which
Prior Foreign Application(s)			Priority Claimed
			_ Yes □ No
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	_ Yes □ No
	` '		antian(a) listed balow
	tle 35, United States Code, § 119(e) o	any Office States Provisional applic	sation(s) fisted below.
(Application Number)	January 23, 2001 (Filing Date)		
(Application Number)	(Filing Date)		
(Application Number)	e filing date of the prior application a		(Status: patented, pending, abandoned)
[[(Application Number)	(Filing Date)		(Status: patented, pending, abandoned)
لاكَيْهِ 3; Daniel P. Gaudet, Reg. No. Greenberg, Reg. No. 44,133; Jennii Kavanaugh, Reg. No. P-50356; Da No. 42,049; Chinh H. Pham, Reg. N Quisel, Reg. No. 47,874; Anita Var	48,584; Robert W. Gauthier, Reg. Nofer K. Holmes, Reg. No. 46,778; Davivid A. Lane, Reg. No. 39,261; W. Hullon, 39,329; Jeffrey M. Sears, Reg. No	o. 35,153; Jason Gish, Reg. No. 42,58 id Hyams, Reg. No. P-50947; Scott E go Liepmann, Reg. No. 20,407; Jim (o. 48,440; Philip C. Swain, Reg. No. 3 Reg. No. 47,172; John L. Welch, Reg	g. No. 46,663; William D. DeVaul Reg. No. 81; Dana Gordon, Reg. No. 44,719; Robert A Kamholz, Reg. No. 48,543; Theresa Dlesen, Reg. No. 46,967; Kevin A. Oliver, Reg. 32,376; Kingsley L. Taft, Reg. No. 43,946; John g. No. 28,129 and Jennifer Zarutskie, Reg. No. P. k Office connected therewith.
Address all telephone calls to Dana	M. Gordon at telephone number (617	7) 832-1000.	
Address all correspondence to:	Customer Id No: 25181		
	Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170		
and further that these statements we	ere made with the knowledge that will	Iful false statements and the like so m	n information and belief are believed to be true; ade are punishable by fine or imprisonment, or pardize the validity of the application or any
	given name, family name):Peter H. Se		3/1//
Inventor's signature:	ambridge, NA 02142	Date	e: <u>2//4/02</u> zenship: U.S.
Post Office Address: same		·	
		,	

Inventor's signature:	Date:	
Residence: 60 Ellery Street - Apt. 9, Cambridge, MA 02138		
Post Office Address: same		
Full name of third joint inventor (given name, family name): Peter Schell		
Inventor's signature:		
Residence: 750 Tremont Street - Apt. 8, Boston, MA 02118	Citizenship: Germany	
Post Office Address: same	•	
Full name of fourth joint inventor (given name, family name):	Date: Citizenship:	
Full name of fifth joint inventor (given name, family name):		
Inventor's signature:	Date:	
Residence:	Citizenship:	
Post Office Address:		

2

20/491135.1

Docket Number MTV-037.01

As a below named inventor, I hereby declars that:

My residence, post office a transfer senship are as stated below next to my name.

I believe I am the original, first and the subject matter which is claimed			d joint inventor (if plural names are listed below) of
SOLID- AND SOLU	JTION-PHASE SYNTHESI	S OF HEPARIN AND OTH	ER GLYCOSAMINOGLYCANS
the specification of which (check on	ne)		ا الله الله الله الله الله الله الله ال
is attached was filed or		States Application Number 10/054,7	724, and was amended on Date_ (if applicable).
-	·		ling the claims, as amended by any amendment
I acknowledge the duty to disclose it	nformation, which is material to na	tentability as defined in Title 37. C	ode of Federal Regulation, § 1.56.
I hereby claim foreign priority benef	fits under Title 35, United States C	ode, § 119(a)-(d) of any foreign app	olication(s) for patent or inventor's certificate listed ling date before that of the application on which
Prior Foreign Application(s)			Priority Claimed
			☐ Yes ☐ No
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
` ,	• • • • • • • • • • • • • • • • • • • •	,	plication(s) listed holow
I hereby claim the benefit under Titl		of any Officed States Provisional ap	plication(s) listed below.
60/263.621	January 23, 2001	•	
(Application Number)	(Filing Date)		
(Application Number)	(Filing Date)	•	
s (Application Number)	(Filing Date	<u>)</u>	(Status: patented, pending, abandoned)
[] (Application Number)	(Filing Date	2)	(Status: patented, pending, abandoned)
42; 483; Daniel P. Gaudet, Reg. No. Geenberg, Reg. No. 44,133; Jennife Kavanaugh, Reg. No. P-50356; Dav No. 42,049; Chinh H. Pham, Reg. N	48,584; Robert W. Gauthier, Reg. I er K. Holmes, Reg. No. 46,778; Da id A. Lane, Reg. No. 39,261; W. H o. 39,329; Jeffrey M. Sears, Reg. N na, Reg. No. 43,221; Sharon Webb	No. 35,153; Jason Gish, Reg. No. 42 vid Hyams, Reg. No. P-50947; Scol ugo Liepmann, Reg. No. 20,407; Ji Io. 48,440; Philip C. Swain, Reg. N , Reg. No. 47,172; John L. Welch, I	Reg. No. 46,663; William D. DeVaul Reg. No. 2,581; Dana Gordon, Reg. No. 44,719; Robert A. It E. Kamholz, Reg. No. 48,543; Theresa m Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. o. 32,376; Kingsley L. Taft, Reg. No. 43,946; John Reg. No. 28,129 and Jennifer Zarutskie, Reg. No. P mark Office connected therewith.
Address all telephone calls to Dana	M. Gordon at telephone number (6	17) 832-1000.	
Address all correspondence to:	Customer Id No: 25181		
	Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170		
and further that these statements wer	re made with the knowledge that w	illful false statements and the like s	te on information and belief are believed to be true; o made are punishable by fine or imprisonment, or eopardize the validity of the application or any
Full name of sole or first inventor (g	given name, family name): Peter H.	·	
Inventor's signature:	mbridge, MA 02142		Date:
Post Office Address: same			
		<u> </u>	

Full name of second joint it was by (given name): Hernan Orgueira Inventor's signature:	
Investor's signature:	Date: OZ/ZO/OZ
Residence: 60 Ellery Streat - Apt. 9, Cambridge, MA 02138	Citizenship: Argentina
Posi Office Address: same	Oldzolassip. <u>Ingenam</u>
Full name of third joint inventor (given name, family name): Peter Schell	
Inventor's signature:	Date:
Inventor's signature: Residence: 750 Tremont Street - Apt. 8, Boston, MA 02118	Citizenship: Germany
Post Office Address: same	
Full name of fourth joint inventor (given name, family name):	Date:
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	
Residence:	Citizenship:
Post Office Address:	
1.75 Set	

week of the form of the control of t

20/491135.1

2

Pocket Number MTV-037.01

MAY 2 2 2002

As a belog named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

	sole inventor (if only one name is	listed below) or an original, first and	Soint inventor (ura	I names are listed	i below) of
I believe I am the original, first and the subject matter which is claimed	and for which a patent is sought of	and my children chamber.			
SOLID- AND SOLU	TION-PHASE SYNTHESI	S OF HEPARIN AND OTH	ER GLYCOSAMII	NOGLYCAN	s
the specification of which (check on	ie)		•	•	
☐ is attached I ☑ was filed or		States Application Number 10/054,	724, and was amended o	on Date_(if appli	cable).
I hereby state that I have reviewed as referred to above.	nd understand the contents of the	above identified specification, include	ding the claims, as amer	nded by any ame	ndment
I acknowledge the duty to disclose in	nformation, which is material to pa	atentability as defined in Title 37, C	ode of Federal Regulation	on, § 1.56.	
I hereby claim foreign priority benef below and have also identified below priority is claimed.					
Prior Foreign Application(s)				Priority	Claimed
				☐ Yes	□ No
(Number)	(Country)	(Day/Month/Year Filed)		☐ Yes	□No
(Number)	(Country)	(Day/Month/Year Filed)			
I hereby claim the benefit under Title	e 35, United States Code, § 119(e)	of any United States Provisional ap	plication(s) listed below	٧.	
60/263,621	January 23, 2001				
(Application Number)	(Filing Date)		•		
- : IE					
Application Number) Property of the claims of this application is not code, § 112, I acknowledge the duty which became available between the	ot disclosed in the prior United Sta to disclose information which is a	tes application in the manner provid material to patentability as defined in	led by the first paragrapl n Title 37, Code of Fede	h of Title 35, Un eral Regulations,	ited States
I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the	e 35, United States Code, § 120 of the disclosed in the prior United State to disclose information which is a	tes application in the manner provided material to patentability as defined in and the national or PCT internation	led by the first paragrapl n Title 37, Code of Fede nal filing date of this app	h of Title 35, Un eral Regulations,	ited States § 1.56
I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the	e 35, United States Code, § 120 of of the disclosed in the prior United State to disclose information which is a filing date of the prior application	tes application in the manner provided material to patentability as defined in and the national or PCT internation e)	led by the first paragraph in Title 37, Code of Fede nal filing date of this app (Status: patente	h of Title 35, Un eral Regulations, plication.	§ 1.56
Application Number) I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the (Application Number) (Application Number) I hereby appoint Beth E. Arnold, Reg. 42, 483; Daniel P. Gaudet, Reg. No. 44, 133; Jennife Kavanaugh, Reg. No. 44, 133; Jennife Kavanaugh, Reg. No. 47, 874; Anita Varn Quisel, Reg. No. 47, 874; Anita Varn	e 35, United States Code, § 120 of of disclosed in the prior United State to disclose information which is a filing date of the prior application (Filing Dat (Filing Dat 9. No. 35,430; Isabelle Clauss, Reg. 48,584; Robert W. Gauthier, Reg. er K. Holmes, Reg. No. 46,778; Daid A. Lane, Reg. No. 39,261; W. Ho. 39,329; Jeffrey M. Sears, Reg. 1 na, Reg. No. 43,221; Sharon Webl	tes application in the manner provide material to patentability as defined in and the national or PCT internation (e) g. No. 47,326; Stephen B. Deutsch, No. 35,153; Jason Gish, Reg. No. 4, avid Hyams, Reg. No. P-50947; Scotlugo Liepmann, Reg. No. 20,407; Ji No. 48,440; Philip C. Swain, Reg. No. 7, Reg. No. 47,172; John L. Welch, Jo, Reg. No. 47,172; John L. Welch,	led by the first paragraph Title 37, Code of Federal filing date of this approximate (Status: patented	h of Title 35, Uneral Regulations, plication. d, pending, aband d, pending, aband m D. DeVaul Reg. No. 44,719; Fa. 48,543; Theresa 967; Kevin A. O Taft, Reg. No. 43 mifer Zarutskie,	oned) oned) oned) oned) oned,
Application Number) I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the (Application Number)	e 35, United States Code, § 120 of of the disclosed in the prior United State to disclose information which is a filing date of the prior application (Filing Data (Filing Dat	tes application in the manner provide material to patentability as defined in and the national or PCT internation e) e) g. No. 47,326; Stephen B. Deutsch, No. 35,153; Jason Gish, Reg. No. 4, vid Hyams, Reg. No. P-50947; Scollugo Liepmann, Reg. No. 20,407; Ji No. 48,440; Philip C. Swain, Reg. No. 20, Reg. No. 47,172; John L. Welch, all business in the Patent and Trader	led by the first paragraph Title 37, Code of Federal filing date of this approximate (Status: patented	h of Title 35, Uneral Regulations, plication. d, pending, aband d, pending, aband m D. DeVaul Reg. No. 44,719; Fa. 48,543; Theresa 967; Kevin A. O Taft, Reg. No. 43 mifer Zarutskie,	oned) oned) oned) oned) oned,
Application Number) I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the	e 35, United States Code, § 120 of of the disclosed in the prior United State to disclose information which is a filing date of the prior application (Filing Data (Filing Dat	tes application in the manner provide material to patentability as defined in and the national or PCT internation e) e) g. No. 47,326; Stephen B. Deutsch, No. 35,153; Jason Gish, Reg. No. 4, vid Hyams, Reg. No. P-50947; Scollugo Liepmann, Reg. No. 20,407; Ji No. 48,440; Philip C. Swain, Reg. No. 20, Reg. No. 47,172; John L. Welch, all business in the Patent and Trader	led by the first paragraph Title 37, Code of Federal filing date of this approximate (Status: patented	h of Title 35, Uneral Regulations, plication. d, pending, aband d, pending, aband m D. DeVaul Reg. No. 44,719; Fa. 48,543; Theresa 967; Kevin A. O Taft, Reg. No. 43 mifer Zarutskie,	oned) oned) oned) oned) oned,
I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the (Application Number) (Application Number) (Application Number) (Application Number) I hereby appoint Beth E. Arnold, Regarda, Reg. No. 44,133; Jennife Kavanaugh, Reg. No. 44,133; Jennife Kavanaugh, Reg. No. 44,134; Anita Varn 50558 as attorneys/agents to prosecu Address all telephone calls to Dana I	e 35, United States Code, § 120 of of disclosed in the prior United State to disclose information which is a filing date of the prior application (Filing Date of the prior application) (Filing Date of the	tes application in the manner provide material to patentability as defined in and the national or PCT internation e) e) g. No. 47,326; Stephen B. Deutsch, No. 35,153; Jason Gish, Reg. No. 4, vid Hyams, Reg. No. P-50947; Scollugo Liepmann, Reg. No. 20,407; Ji No. 48,440; Philip C. Swain, Reg. No. 20, Reg. No. 47,172; John L. Welch, all business in the Patent and Trader	led by the first paragraph Title 37, Code of Federal filing date of this approximate (Status: patented	h of Title 35, Uneral Regulations, plication. d, pending, aband d, pending, aband m D. DeVaul Reg. No. 44,719; Fa. 48,543; Theresa 967; Kevin A. O Taft, Reg. No. 43 mifer Zarutskie,	oned) oned) oned) oned) oned,
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I hereby claim the benefit under Title of the claims of this application is no Code, § 112, I acknowledge the duty which became available between the (Application Number) (App	e 35, United States Code, § 120 of of disclosed in the prior United State to disclose information which is a filing date of the prior application (Filing Dat (Fil	tes application in the manner provide material to patentability as defined in and the national or PCT internation and the national or PCT internation (e) g. No. 47,326; Stephen B. Deutsch, No. 35,153; Jason Gish, Reg. No. 4 (avid Hyams, Reg. No. P-50947; Sco Hugo Liepmann, Reg. No. 20,407; Jin No. 48,440; Philip C. Swain, Reg. No. 47,172; John L. Welch, all business in the Patent and Trader (i) 832-1000.	led by the first paragraph Title 37, Code of Federal filing date of this appropriate (Status: patente) (Sta	h of Title 35, Uneral Regulations, plication. d, pending, aband d, pending, aband m D. DeVaul Reg. No. 44,719; F. 48,543; Theresa 967; Kevin A. O Taft, Reg. No. 43 nnifer Zarutskie, herewith.	oned) oned) oned) oned) oned) oned) oned) oned,
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Full name of recond joint inventor (given name ly ly name): Hernan Orgueira	<u> </u>
Inventor's signature:	Date:
Residence: 60 Ellery Street - Apt. 9, Cambridge, MA 02138	Citizenship: Argentina
Post Office Address: same	
Full name of third joint inventor (given name, family name): Peter Schell Inventor's signature:	
Full name of third joint inventor (given name, family name): Peter Schell	Date: 02 20 2002
Inventor's signature:	Date: 02 2002
Residence: 750 Tremont Street - Apt. 8, Boston, MA 02118	Citizenship: Germany
Post Office Address: same	
Full name of fourth joint inventor (given name, family name):	
Inventor's signature:	
Residence:	Citizenship:
Post Office Address:	
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	Citizenship:
Post Office Address:	